



iBOX-N97R2 – Fanless Embedded Box System Equipped with Intel® Alder Lake-NSoC Processor N97 and Support for Three Displays

The iBOX-N97R2 is a fanless embedded box system with an Intel® Processor N97 SoC. Its small form factor paired with it being fanless allows for deployment in environments where space is at a premium. The iBOX-N97R2 has an extensive I/O including RS-232 as well as triple display support.

SPECIFICATIONS

CPU	Intel® Alder Lake-NN97 SoC Processor (TDP 12W)
Memory Type	260-pin DDR4 3200MHz SO-DIMM
Memory Slots	1
Maximum Memory Supported	32GB
Chipset	Integrated in SoC
Integrated Graphics	Intel® UHD Graphics
Watchdog Timer	256 Segments, 0, 1, 2, ... 255sec
Video	1x HDMI 2.0b, 2 x DisplayPort 1.4a via USB Type-C
LAN Ports	2 x Realtek RTL8125BG 2.5GbE
Serial ATA(SATA)	1x SATA III
TPM	TPM 2.0 onboard IC
	1x M.2 M-Key 2242/2260/2280 PCIe x1 Gen3 and SATA3 for SSD (2280)

Rear I/O	2 x USB 3.2 Gen2 Type-A, 1x HDMI, 2 x LAN, 1x DC Jack
Front I/O	2 x USB 3.2 Gen2 Type-A, 2 x USB 3.2 Gen2 Type-C (Supports DP1.4a), 1x RS-232, 1x Audio
Audio	Realtek ALC256
Power Requirement	19VDC Input Jack
Dimensions	5.31" x 4.33" x 1.75" (135mm x 110mm x 44.5mm)
Operating Temperature	-20~ 40°C (-4~ 104°F) with air flow 0.5 ~ 0.8 m/s and extended temp. peripherals
Storage Temperature	-40~ 85 °C (-40~ 185 °F)
Relative Humidity	5 ~ 90%
OS Software Supported	Windows 10 64-bit, Windows 11 64-bit
Global P/N / SKU	1708593

Ordering Options

iBOX-N97R2 (SKU# 1708593): Fanless Embedded Box PC Equipped with Intel® Processor N97